

Product datasheet for **RR208550**

Ghrhr (NM_012850) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghrhr (NM_012850) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ghrhr
Synonyms:	GHRHREC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR208550 representing NM_012850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAGCCTGTTGTGGGCTACCTGGGTCTCTGCTTGTGAACCTGTGGGAGTTGCACTGGGTCAAC
 TCCACCTAGAATGTGACTTCATCACTCAGCTGAGAGACGATGAGCTTGATGCCTTCAGGCGGCAGAGGG
 GACCAACAACCTCGTCCATGGGATGCCCTGGGACCTGGGATGGGCTGCTGTGCTGGCCCCAACTGGCTCT
 GGCCAGTGGTCTCCCTCCCCTGCCCTGAATTCCTCTCATTGCTCAGACCCAGGGGCTGTGAAAA
 GGGACTGCACCATCACGGTTGGTCTGATCCCTCCCACCATATCCCGTGGCCTGTCTGTGCCCTTGA
 ACTGCTAACAGAGGAGAAGTCTTACTTCTCCACGGTGAAGATCATCTACACCACAGGCCACAGCATCTCC
 ATTGTAGCCCTGCGTGGCTATTGCCATCTGGTTGCTCTCAGGAGGCTCCACTGCCCCAGGAAGTACA
 TCCACACGCAGCTGTTTGTACTTTCATCTCAAGGCCAGTGTGTGTTCTGAAGGATGCTGCTGTCTT
 CCAGGGTATAGCACGGACCACTGCAGCATGTCCACTATTCTGTGCAAGGTCTCTGTGGCGTCTCACAT
 TTTGCCACCATGACCAACTTCAGCTGGCTGCTGGCAGAAGCCGTCTACCTGAGCTGTCTGTTGGCCTCCA
 CATCTCTAGGTCAAACCAGCTTCTGGTGGCTGGTTCTCGCTGGCTGGGGACTCCCTGTGCTATGCAC
 TGGTACGTGGGTGGGCTGCAAACCTGGCTTTTGGAGACTGCGTGGTGGGACCTAGACGACAGCTCCCC
 TACTGGTGGATCATCAAAGGGCCATAGTCTCTCTGTTGGGGAACCTTGGGCTGTTTCTCAATATA
 TTTGCATCTGCTGAGGAAGCTGGGGCTGCACAAGGCGGCTTACACACACGGGCTCAGTACTGGCGGT
 TTCAAATCAACACTTCTCCTTATCCCGCTGTTTGAATTCATTACATCATCTTCAACTTCTGCCTGAC
 AGTGTGGCCTTGGCATCCGCTACCCCTGGAGCTGGGACTGGGTCCTCCAGGGTTTTGTTGTGCTG
 TCCTCTACTGCTTCTCAATCAAGAGGTGAGGACGGAGATTTACGCAAATGGTATGGCCATGACCCTGA
 ACTTCTGCCAGCTCGGCCGACCTGCACTGAGTGGACCACACCTCCCCGATCGAGAGTGAAGGTGCTCACC
 TCTGAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208550 representing NM_012850
 Red=Cloning site Green=Tags(s)

MDSLLWATWVLCLLNLWGVALGHLHLECDFITQLRDELACLQAAEGTNSSMGCPGTWDGLLCWPPTGS
 GQWVSLPCPEFFSHFGSDPGAVKRDCTITGWSDFPPYPVACPVPLELLTEEKSYFSTVKIITYTTGHSIS
 IVALCVAIAILVALRRLHCPYNIHTQLFATFILKASAVFLKDAAVFQGDSTDHCSMSTILCKVSVAVSH
 FATMTNFSWLLAEAVYLSCLLASTSPRSKPAFWLVLAVGLPVLTGTWVGCKLAFEDTACWDLDDSSP
 YWIIKGPVIVL SVGVNFGFLNIICILLRKL GPAQGLHTRAQYWRLSKSTLLL IPLFGIHYIIFNFLPD
 SAGLGIRLPLELGLGSFQGFVVAVLYCFLNQEVRTESISRKWYGHDPPELLPARRTCTEWTPPRSRVKVLT
 SEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1981_g04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_012850

ORF Size: 1269 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

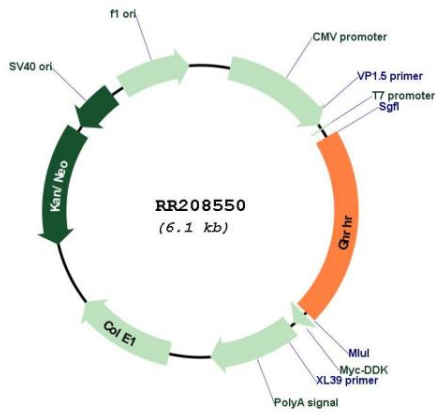
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012850.1](#), [NP_036982.1](#)

RefSeq Size: 1629 bp
 RefSeq ORF: 1272 bp
 Locus ID: 25321
 UniProt ID: [Q02644](#)
 Cytogenetics: 4q24
 MW: 47.4 kDa
 Gene Summary: binds growth hormone-releasing hormone; required for normal growth [RGD, Feb 2006]

Product images:



Circular map for RR208550